

ABSTRACT

The invention discloses an overlapping command committing method of dynamic cycle pipeline, for a chip having pipeline structure, the method comprising the following steps: reading the command from command buffer, decoding the command, judging whether operator is reasonable or not, if a illegal command, then deleting, otherwise preprocessing the operator of command, preparing the initial operator of each pipeline, and observing the status of pipeline, waiting for pipeline command exiting signal, and judging whether there is command relevance or not, if not, then committing a new command to pipeline when the command exiting a last cycle of pipeline. Overlapping command committing method of the invention can avoid appearing of bubble, improve parallelism of pipeline performing unit, and thus shorten the processing period of command in chip, let the chip process more command in unit time.